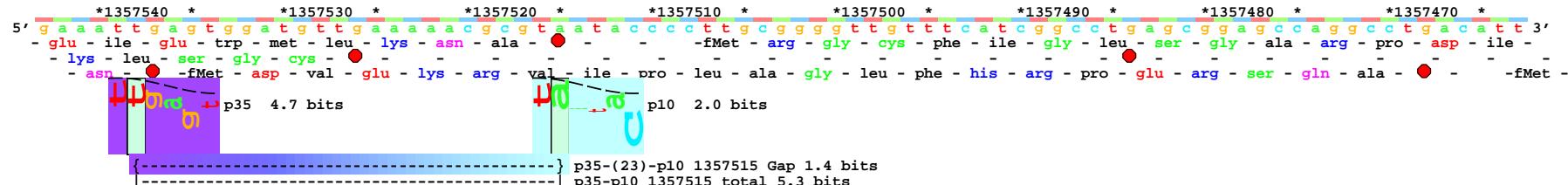


- 1 -

piece 1, NC\_000913, puuP\_puuA-, config: linear, direction: -, begin: 1357543, end: 1357192



The diagram illustrates the 135730-1357310 operon. The top part shows the DNA sequence with transcription start sites indicated by asterisks (\*). The bottom part shows the corresponding amino acid sequence for each gene. The genes are: \*1357380, \*1357370, \*1357360, \*1357350, \*1357340, \*1357330, \*1357320, and \*1357310. The leader sequence for \*1357310 is shown as 'ir puuP\_puuA-'.

```
{-----} sd-(8)-ir 1357368 Gap 2.4 bits  
| sd-ir 1357368 puuP_puuA- total 9.9 bits  
{-----} sd-(11)-ir 1357365 Gap 3.0 bits  
| sd-ir 1357365 puuP_puuA- total 11.2 bits
```

```
{-----} sd-(17)-ir 1357359 Gap 6.5 bits  
----- sd-ir 1357359 puuP puuA- total 5.7 bits
```

5' \*1357300 \* \*1357290 \* \*1357280 \* \*1357270 \* \*1357260 \* \*1357250 \* \*1357240 \* \*1357230 \* \*1357220 3'

thr - pro - pro - pro - leu - leu - pro - leu - leu - asn - arg - phe - asp - phe - arg - ser - thr - arg - pro - gln - thr - leu - leu - arg - arg - gly - gly -

- leu - arg - pro - leu - cvs - phe - pro - cys - - fMet - ile - ser - gly - arg - his - asp - arg - lys - pro - tvr - tvr - ala - gly - glu - ala -

**p35 5.3 bits**

**p10 2.5 bits**

**{ p35-(21)-p10 1357265 Gap 3.3 bits**

**p35-p10 1357265 total 4.6 bits }**

5' c a g c a a t t t g g c t a t t a a t t e a c c a c t 3'

- ser - asn - tyr - gly - tyr - (red dot) -  
- ala - ile - met - ala - ile - asn - ser - pro -

sd [ ] ... NC\_000913.puuP

```
... :-----] sd-(12)-ir 1357211 Gap 4.0 bits  
... :-----| sd-ir 1357211 puuP puuA- total 11.0 bits  
... :-----| rmuuA cmf 56 codans
```

